

Serial No.: 10/770,901
Applicant: Ferdolage
Responsive to: Notice of allowance 04/03/3006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A concentric coaxial cutting machine comprising:
 - a longitudinal support member;
 - a transverse support member coupled to said longitudinal support member including;
 - a headstock member including;
 - a headstock spindle member coupled to said headstock member including;
 - a drive spindle rotationally mounted to said headstock spindle member and aligned to rotationally retain one end of an object to be concentrically cut;
 - a tailstock member coupled to said longitudinal support member including;
 - a tailstock spindle member coupled to said tailstock member including;
 - a tailstock spindle rotationally mounted to said tailstock spindle member and aligned to retain an opposite end of said object;
 - a drive assembly in rotational communication with at least said drive spindle and configured to rotate said drive spindle about a common longitudinal axis with said tailstock spindle; ~~and;~~
 - a first chain saw variably align-able at an ~~angles~~ angle to said common longitudinal axis such that said chain saw engages said object from at least said opposite end, and;

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wherein said tailstock spindle member is pivotally connected to said longitudinal support member so as to be repositionable about a long dimension of said longitudinal support member.

2. (Previously presented) The concentric coaxial cutting machine according to claim 1 further comprising a repositionable accessory table transversely coupled to said longitudinal support member wherein said accessory table includes means for supporting additional cutting, roughing or finishing equipment.
3. (Currently amended) The concentric coaxial cutting machine according to claim 1 wherein said headstock member is repositionable ~~about~~ with respect to a long dimension of said longitudinal support member.
4. (Currently amended) The concentric coaxial cutting machine according to claim 1 wherein said tailstock spindle member is repositionable ~~about~~ along a long dimension of said tailstock member.
5. (Currently amended) The concentric coaxial cutting machine according to claim 1 wherein said tailstock member is laterally repositionable ~~about~~ with respect to said ~~transverse~~ longitudinal support member.
6. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said first chain saw is pivotally coupled to said tailstock member.
7. (Currently amended) The concentric coaxial cutting machine according to claim 6 wherein said first chain saw is laterally repositionable ~~about~~ with respect to said ~~transverse~~ longitudinal support member.

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8. (Currently amended) The concentric coaxial cutting machine according to claim 6 wherein said first chain saw is perpendicularly repositionable ~~about~~ relative to said transverse support member.
9. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said longitudinal support member comprises an elongated conduit.
10. (Currently amended) The concentric coaxial cutting machine according to claim 9 wherein said ~~headstock member~~ transverse support member comprises a transverse base coupled to one end of said elongated conduit.
11. (Currently amended) The concentric coaxial cutting machine according to claim 10 wherein said headstock spindle member comprises a rotary table ~~base~~ coupled to said transverse base and having said drive spindle centered thereon.
12. (Currently amended) The concentric coaxial cutting machine according to claim 11 wherein said rotary table includes ~~one of; a plurality of T slots and~~ an attachable multi-jawed chuck.
13. (Currently amended) The concentric coaxial cutting machine according to claim 1 wherein said ~~transverse support~~ tailstock member is longitudinally repositionable ~~about~~ along a substantial length of said ~~elongated conduit~~ longitudinal support member.
14. (Currently amended) The concentric coaxial cutting machine according to claim 9 wherein said ~~transverse support~~ tailstock member is rotationally repositionable about a radius of said elongated conduit.

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15. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said first chain saw is repositionable by a plurality of jackscrew drives in repositionable communication with said first chain saw.
16. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said first chain saw is replaceable with one of; another cutting tool, a grinding tool and a finishing tool.
17. (Currently amended) The concentric coaxial cutting machine according to claim 1 wherein said tailstock spindle member repositionable by a plurality of jackscrew drives in repositionable communication with said tailstock spindle member.
18. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said angle is an acute angle relative to said common longitudinal axis.
19. (Currently amended) The concentric coaxial cutting machine according to claim 1 further comprising a second chain saw mounted to an accessory table said ~~transverse support member and variably aligned at said an angle to said common axis but in general opposition to said first chain saw.~~
20. (Currently amended) The concentric coaxial cutting machine according to claim 19 wherein said transverse support member includes a centerline and the headstock spindle member is repositionable relative to the longitudinal support member along the centerline of the transverse support member;
~~a first horizontal rail;~~
~~a second horizontal rail aligned in parallel to said first horizontal rail;~~
~~a plurality of periodically spaced perpendicular cross members in rigid communication with said first and said second horizontal rails;~~
~~a first traveling tool arm member slidably mounted to said first horizontal rail;~~

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~~a second traveling tool arm member slidably mounted to said first horizontal rail in
opposition to said first traveling tool arm member; and,
wherein said headstock member and said tailstock member are slidably mounted on
said second horizontal rail.~~

21. (Currently amended) The concentric coaxial cutting machine according to claim 20 wherein said first chain saw is variably ~~mounted~~ coupled to said tailstock member ~~first traveling tool arm member and said second chain saw is variably mounted to said second traveling tool arm member.~~
22. (Currently amended) The concentric coaxial cutting machine according to claim 20 1 wherein said headstock member and said tailstock member are ~~slidably mounted~~ slidable relative to said second horizontal rail longitudinal support member.
23. (Currently amended) The concentric coaxial cutting machine according to claim 20 1 wherein said ~~transverse support member~~ tailstock spindle further includes a drive dog;
~~a first roller support member slidably mounted to said first horizontal rail;
a second roller support member slidably mounted to said second horizontal rail;
wherein said first and said second support roller members are adapted to support
said object at least when said object is being concentrically cut.~~
24. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said drive assembly includes;
a variable speed electric motor having a first pulley coupled to a shaft associated
with said variable speed electric motor;
a second pulley is at least coupled to said drive spindle; and,
a drive belt in rotational communication with said first and said second pulleys.

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- 25. (Cancelled)
- 26. (Cancelled)
- 27. (Cancelled)
- 28. (Cancelled)
- 29. (Cancelled)
- 30. (Cancelled)
- 31. (Cancelled)
- 32. (Cancelled)
- 33. (Cancelled)
- 34. (Previously presented) The concentric coaxial cutting machine according to claim 1 wherein said object to be concentrically cut includes one of; wood, ice and plastic.
- 35. (Cancelled)
- 36. (Cancelled)
- 37. (Cancelled)